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~~✓ Substitute for form 1449/PTO~~

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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of

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**Complete if Known**

Application Number	10/566,625
Filing Date	30 January 2006
First Named Inventor	Klaus, Stephen J.
Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	EP0617 US

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of

Docket Number FP0617 US

## U. S. PATENT DOCUMENTS

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cita No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	Type
		Country Code <sup>2</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
/00/	BA	WO-97/12855-A1	10 Apr 1997	Vertex Pharmaceuticals		
/00/	BB	WO-03/053997-A2	03 Jul 2003	FibroGen, Inc.		
/00/	BC	WO-2004/004697-A2	15 Jan 2004	Univ Degli Studi di Ferrara		

**Examiner  
Signature**

/Oluwatosin Ogundibisi/

Date Considered

12/28/2007

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Sheet

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/OO/	CA	DOVER, George J., "Induction of Fetal Hemoglobin Production in Subjects with Sickle Cell Anemia by Oral Sodium Phenylbutyrate," Blood, W.B. Saunders, Philadelphia, PA. U.S., 7/1/1994, Vol. 84, No. 1, pgs. 339-343	
/OO/	CB	PERRINE, Susan P., et al., "Sodium Butyrate Enhances Fetal Globin Gene Expression in Erythroid Progenitors of Patients with Hb SS and Beta Thalassemia," Blood, W.B. Saunders, Philadelphia, PA. U.S., 7/1/89, Vol. 74, No. 1, pgs. 454-459	
/OO/	CC	RODGERS, Griffin P., et al., "Novel Treatment Options in the Severe Beta-Globin Disorders," British Journal of Haematology, Oxford, Great Britain, 1995, Vol. 91, No. 2, pgs. 263-268	

Examiner Signature	/Oluwatosin Ogunbiyi/	Date Considered	12/28/2007
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/00/	BA	WO - 93/18761 - A1	09-30-1993	Child Hosp Med Ctr Nor CA		
/00/	BB	WO - 96/08242 - A3	03-21-1996	Children's Med Ctr Corp		
/00/	BC	WO - 99/24034 - A1	05-20-1999	Children's Med Ctr Corp		
/00/	BD	WO - 03/049686 - A2	06-19-2003	FibroGen, Inc.		

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/00/	CA	ADDAE, S., et al., "Survival of Patients With Sickle Cell Anemia Living at High Altitude," South Med J, 1990, Vol. 83, No. 4, p. 487.				
	CB	AL-KHATTI, A., et al., "Erythropoietin Stimulates F-Reticulocyte Formation in Sickle Cell Anemia," Trans. Assoc. Am. Physicians, 1988, Vol. 101, pp. 54-61.				
	CC	BARD, Harry, et al., "Hypoxemia and Increased Fetal Hemoglobin Synthesis," J Pediatrics, 1994, Vol. 124, No. 6, pp. 941-943.				
	CD	BICKEL, Martin, et al., "Selective Inhibition of Hepatic Collagen Accumulation in Experimental Liver Fibrosis in Rats by a New Prolyl 4-Hydroxylase Inhibitor," Hepatology, 1998, Vol. 28, No. 2, pp. 404-411.				
	CE	BLAU, Anthony, et al., "Fetal Hemoglobin Induction With Butyric Acid: Efficacy and Toxicity," Blood, 1993, Vol. 81, No. 2, pp. 529-537.				
	CF	CHARACHE, Samuel, et al., "Hydroxyurea-Induced Augmentation of Fetal Hemoglobin Production in Patients With Sickle Cell Anemia," Blood, 1987, Vol. 69, No. 1, pp. 109-116.				
	CG	CHARACHE, Samuel, et al., "Effect of Hydroxyurea on the Frequency of Painful Crises in Sickle Cell Anemia," N Engl J Med, 1995, Vol. 332, No. 20, pp. 1317-1322.				
	CH	COKIC, Vladan P., et al., "Hydroxyurea Induces Fetal Hemoglobin by the Nitric Oxide-Dependent Activation of Soluble Guanylyl Cyclase," J Clin Invest, 2003, Vol. 111, No. 2, pp. 231-239.				
	CI	CONSTANTOULAKIS, P., et al., "On the Induction of Fetal Hemoglobin by Butyrates: In Vivo and In Vitro Studies With Sodium Butyrate and Comparison of Combination Treatments With 5-AzaC and AraC," Blood, 1989, Vol. 74, No. 6, pp. 1963-1971				
▼	CJ	DESIMONE, Joseph, et al., "Stimulation of Fetal Hemoglobin Synthesis in Baboons by Hemolysis and Hypoxia," Proc. Natl. Acad. Sci. USA, 1978, Vol. 75, No. 6, pp. 2937-2940.				

Examiner Signature	/Oluwatosin Ogunbiyi/	Date Considered	12/28/2007
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/00/	CK	DESIMONE, Joseph, et al., "Maintenance of Fetal Hemoglobin (HbF) Elevations in the Baboon by Prolonged Erythropoietic Stress," Blood, 1982, Vol. 60, No. 2, pp. 519-523.	
	CL	DESIMONE, Joseph, et al., "Maintenance of Elevated Fetal Hemoglobin Levels by Decitabine During Dose Interval Treatment of Sickle Cell Anemia," Blood, 2002, Vol. 99, No. 11, pp. 3905-3908.	
	CM	FIBACH, Eitan, et al., "Enhanced Fetal Hemoglobin Production by Phenylacetate and 4-Phenylbutyrate in Erythroid Precursors Derived From Normal Donors and Patients With Sickle Cell Anemia and G- Thalassemia," Blood, 1993, Vol. 82, No. 7, pp. 2203-2209.	
	CN	FIBACH, Eitan, et al., "Mithramycin Induces Fetal Hemoglobin Production in Normal and Thalassemic Human Erythroid Precursor Cells," Blood, 2003, Vol. 102, No. 4, pp. 1276-1281.	
	CO	FRANKLIN, Trevor J., et al., "Approaches to the Design of Anti-Fibrotic Drugs," Biochem Soc Trans, 1991, Vol. 19, pp. 812-815.	
	CP	FRANKLIN, Trevor J., et al., "Inhibition of Prolyl 4-Hydroxylase In Vitro and In Vivo by Members of a Novel Series of Phenanthrolinones," Biochem J, 2001, Vol. 353, pp. 333-338.	
	CQ	FRIEDMAN, Lisa, et al., "Prolyl 4-Hydroxylase is Required for Viability and Morphogenesis in <i>Caenorhabditis elegans</i> ," PNAS, 2000, Vol. 97, No. 9, pp. 4736-4741.	
	CR	GABBIANELLI, Marco, et al., "Granulocyte-Macrophage Colony-Stimulating Factor Reactivates Fetal Hemoglobin Synthesis in Erythroblast Clones From Normal Adults," Blood, 1989, Vol. 74, No. 8, pp. 2657-2667.	
	CS	GABBIANELLI, Marco, et al., "Hemoglobin Switching in Unicellular Erythroid Culture of Sibling Erythroid Burst-Forming Units: Kit Ligand Induces a Dose-Dependent Fetal Hemoglobin Reactivation Potentiated by Sodium Butyrate," Blood, 2000, Vol. 95, No. 11, pp. 3555-3561	
	CT	JIANG, Jinjie, et al., "In Vivo Production of Nitric Oxide in Rats After Administration of Hydroxyurea," Mol Pharmacol, 1997, Vol. 52, pp. 1081-1086	

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/00/	CU	KIVIRIKKO, Kari I., et al., "Prolyl 4- Hydroxylases and Their Protein Disulfide Isomerase Subunit," <i>Matrix Biol</i> , 1997, Vol. 16, pp. 357-368.				
	CV	LETVIN, Norman L., et al., "Augmentation of Fetal-Hemoglobin Production in Anemic Monkeys by Hydroxyurea," <i>N Engl J Med</i> , 1984, Vol. 310, No. 14, pp. 869-873.				
	CW	LEY, Timothy J., et al., "Induction of Hemoglobin F Synthesis in Patients With $\beta$ - Thalassemia," <i>Annu Rev Med</i> , 1985, Vol. 36, pp. 485-498.				
	CX	LEY, Timothy J., et al., "5-Azacytidine Selectively Increases $\gamma$ -globin Synthesis in a Patient With $\beta$ - Thalassemia," <i>N Engl J Med</i> , 1982, Vol. 307, No. 24, pp. 1469-1475.				
	CY	MAJAMAA, Kari, et al., "The 2-Oxoglutarate Binding Site of Prolyl 4-Hydroxylase," <i>Eur J Biochem</i> , 1984, Vol. 138, pp. 239-245.				
	CZ	MAJAMAA, Kari, et al., "Differences Between Collagen Hydroxylases and 2-Oxoglutarate Dehydrogenase in Their Inhibition by Structural Analogues of 2-Oxyglutarate," <i>Biochem J</i> , 1985, Vol. 229, pp. 127-133.				
	CAA	MIGLIACCIO, Anna R., et al., "Influence of Recombinant Hematopoietin and of Fetal Bovine Serum on the Globin Synthetic Pattern of Human BFUe," <i>Blood</i> , 1990, Vol. 76, No. 6, pp. 1150-1157.				
	CBB	MILLER, Barbara A., et al., "High Fetal Hemoglobin Production in Sickle Cell Anemia in the Eastern Province of Saudi Arabia Is Genetically Determined," <i>Blood</i> , 1986, Vol. 67, No. 5, pp. 1404-1410.				
	CCC	MILLER, Barbara A., et al., "Influence of Steel Factor on Hemoglobin Synthesis in Sickle Cell Disease," <i>Blood</i> , 1992, Vol. 79, No. 7, pp. 1861-1868.				
▼	CDD	PARTINGTON, G.A., et al., "Human Globin Gene Transcription in Injected <i>Xenopus</i> Oocytes: Enhancement by Sodium Butyrate," <i>EMBO J</i> , 1984, Vol. 3, No. 12, pp. 2787-2792.				

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/00/	CEE	PEMBREY, M.E., et al., "Fetal Haemoglobin Production and the Sickle Gene in the Oases of Eastern Saudi Arabia," Br J Haematology, 1978, Vol. 40, pp. 415-429.				
	CFF	PERRINE, Susan P., et al., "Butyric Acid Analogues Augment $\gamma$ -Globin Gene Expression in Neonatal Erythroid Progenitors," Biochem Biophys Res Comm, 1987, Vol. 148, No. 2, pp. 694-700.				
	CGG	PERRINE, Susan P., et al., "Butyrate Infusions in the Ovine Fetus Delay the Biologic Clock for Globin Gene Switching," Proc. Natl. Acad. Sci. USA, 1988, Vol. 85, pp. 8540-8542.				
	CHH	PERRINE, Susan P., et al., "A Short-Term Trial of Butyrate to Stimulate Fetal-Globin-Gene Expression in the $\beta$ -Globin Disorders," N Engl J Med, 1993, Vol. 328, No. 2, pp. 81-86.				
	CII	RODGERS, Griffin P., et al., "Augmentation by Erythropoletin of the Fetal-Hemoglobin Response to Hydroxyurea in Sickle Cell Disease," N Engl J Med, 1993, Vol. 328, No. 2, pp. 73-80.				
	CJJ	SAFAYA, S., et al., "Augmentation of $\gamma$ -Globin Gene Promoter Activity by Carboxylic Acids and Components of the Human $\beta$ -Globin Locus Control Region," Blood, 1994, Vol. 84, No. 11, pp. 3929-3935.				
	CKK	STAMATOYANNOPOULUS, George, et al., "Fetal-Hemoglobin Induction by Acetate, a Product of Butyrate Catabolism," Blood, 1994, Vol. 84, No. 9, pp. 3198-3204.				
	CLL	WEINBERG, R.S., et al., "Low Oxygen Enhances Sickle and Normal Erythropoiesis and Fetal Hemoglobin Synthesis In Vitro," Hemoglobin, 1995, Vol. 19, No. 5, pp. 263-275.				
	CMM	WELFORD, Richard W.D., et al., "The Selectivity and Inhibition of AlkB," J Bio Chem, 2003, Vol. 278, No. 12, pp. 10157-10161.				
▼	CNN	WOOD, W.G., et al., "Developmental Genetics of the Human Haemoglobins," Biochem J., 1983, Vol. 215, pp. 1-10.				

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